



Designation: D 3440 – 82 (Reapproved 1995)

Standard Guide for Preparing Specifications for Water-Emulsion Floor Polishes¹

This standard is issued under the fixed designation D 3440; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide covers preparing specifications for water-emulsion floor polishes on all nonwood floors and for sealed wood floors.

1.2 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- D 1288 Test Method for Total Ash and Silica in Water-Emulsion Polishes²
- D 1290 Test Method for Sediment in Water-Emulsion Polishes by Centrifuge³
- D 1455 Test Method for 60° Specular Gloss of Emulsion Floor Polish³
- D 1791 Test Method for Accelerated Aging of Liquid Water-Emulsion Floor Polishes³
- D 1792 Test Method for Long-Term Removability Properties of Emulsion Floor Polishes³
- D 1793 Test Method for Water Spotting of Emulsion Floor Polishes³
- D 2047 Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine³
- D 2048 Test Method for Powdering of Floor Polish Films³
- D 2825 Definitions of Terms Relating to Polishes and Related Materials³
- D 2834 Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and Polymer-Emulsion Floor Polishes³
- D 3052 Practice for Rating Water-Emulsion Floor Polishes³
- D 3153 Test Method for Recoatability of Water-Emulsion Floor Polishes³
- D 3206 Test Method for Soil Resistance of Floor Polishes³
- D 3207 Test Method for Detergent Resistance of Floor Polish Films³

¹ This guide is under the jurisdiction of ASTM Committee D-21 on Polishes and is the direct responsibility of Subcommittee D21.05 on Specifications. Current edition approved Jan. 29, 1982. Published April 1982. Originally published as D 3440 – 76. Last previous edition D 3440 – 76.

² Discontinued, see 1984 *Annual Book of ASTM Standards*, Vol 15.04.

³ *Annual Book of ASTM Standards*, Vol 15.04.

D 3210 Method of Comparing Colors of Films from Water-Emulsion Floor Polishes³

E 70 Test Method for pH of Aqueous Solutions with the Glass Electrode⁴

2.2 *Federal Standards*.⁵

Federal Specification, Wax, Floor, Water-Emulsion P-W155C, February 22, 1978

Federal Specification, Finish, Floor, Water-Emulsion P-F00430C (GSA-FSS) October 26, 1978.

3. Terminology

3.1 *Definitions*—For definitions of other terms used in this guide refer to Definitions D 2825.

3.1.1 *self-polishing floor polish*—a floor polish that dries to a shine.

3.1.2 *specification*—a precise statement of a set of requirements to be satisfied by a material, product, system, or service, indicating, whenever appropriate the procedure by means of which it may be determined whether the requirements given are satisfied. As far as practicable, it is desirable that the requirements be expressed numerically in terms of units together with their limits.

4. Classification

4.1 *Buffing-Type Floor Polish*—A floor polish that requires buffing to maintain or enhance appearance, or both.

4.2 *Self-Polishing-Type Floor Polish*—A self-polishing-type floor polish that dries to a shine.

5. Basis of Purchase

5.1 *Reference Material*—A floor polish which the purchaser has found to provide the desired characteristics in each of the tests described and which is mutually agreed upon between the purchaser and the seller, will be used as a reference material. Other polishes will be compared to this reference material for performance.

5.2 *Qualification Sample*—Seller shall submit a sample typical of the material he intends to supply for qualification testing.

5.3 *Acceptance Sample*—Samples shall be taken from each shipment and examined for conformation to the qualification sample.

⁴ *Annual Book of ASTM Standards*, Vol 15.05.

⁵ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.